

PATENT ABSTRACTS OF JAPAN

(11)Publication number :

08-079217

(43)Date of publication of application : 22.03.1996

(51)Int. Cl.

H04J 11/00

(21)Application number : 06-232170

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(22)Date of filing : 31.08.1994

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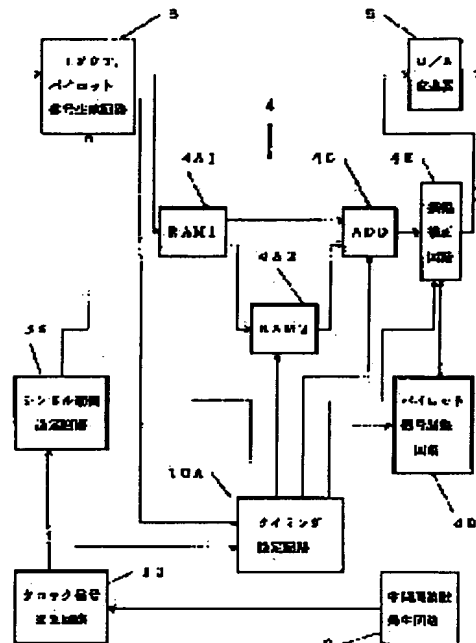
TAKAHASHI SUSUMU

(54) ORTHOGONAL FREQUENCY DIVISION MULTIPLEX SIGNAL TRANSMITTER

(57) Abstract:

PURPOSE: To reduce the interference distortion of spurious frequency components due to the signal waveform of a connection point by providing a signal insertion period between symbols in an OFDM signal transmitter.

CONSTITUTION: This transmitter is provided with an IFFT and pilot signal generation circuit 3 for being supplied with digital information signals and generating multi-valued QAM modulation signals, a guard interval and connection signal period setting circuit 4 constituted to repeatedly transmitting a part of modulation signals for prescribed time and a clock signal generation circuit 10 for driving both circuits. By the guard interval and connection signal period setting circuit 4, a symbol period is divided into a connection signal period, a guard interval and a valid symbol period, the signals of the respective periods are set and the signals for suppressing the generation of distortion components are inserted to the connection signal period.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's
decision of rejection][Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration][Date of final disposal for
application]

[Patent number]

[Date of registration]